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FIGURE 2

Seq. ID No.	Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)
81	Hypoth 03	A	AAGCTAGACT TTAAAT	TGGG ATCCGCGCGG GCGGCGCATG	25
82		B	AAGCTAAACT TTAAAT	TGGG ATCCGCGGAG CCGGCGCGTG	
83	Hypoth 02	A	GGAACTTTTG ATTATA	CGGG CGTGCTGCC CCGGGCCCAT	26
84		B	GGAACTTTTG ATTATA	CGGG CGTACATTC CCGGGCCCAT	
85	ORF 02	A	AAGGCAAGGT AATAAT	AGCC TGCGTCTGT AACGCGCGTA	27
86		B	ACGGCAAGGT AATAAT	AGCC TGCGGTCCGT ACCTGCGGTA	
87	ORF 03	A	CATGGAACATA GATAAT	AACC GGTTCCGCGG ATCCCATGCA	27
88		B	CATGGAACATA GATAAT	AACC GGTTCCGCGG GTACAAATGCA	
89	PPI	A	ATACCGAGCAA GTTATA	GCAG GGTATGGAAT GTCCGCGCGC	28
90		B	AGCAACGACAA GTTATA	GCAG GGTACAAAGG AGCAGCGCAC	
91	GSAT	A	ATCCGCCCTG ATTAATA	TTAT GGGGGGAGCG GCCTGCTGCC	28
92		B	ATCCGCCCTC ATTAATA	TTAT GGGGGGTACA ACCTGCTGCC	
93	ORF 05	A	CTTTCATACA CATAAA	TCCC GCTTGATGT CGCGCTGCGC	28
94		B	ACTTCATACA CATAAA	TCCC GCCTGAACGG TCGTCCGCGC	
95	deaminase	A	GGCATATAC CATAAT	ATGC CGGGCGGTGG CACCATGGCC	29
96		B	CGCATATAC CATAAT	ATGC CGGGCGGGGG CAGGCTGCCC	
97	RNA helic	A	TGTACGAAC CATAAA	ACAA CAGGCGCGGT CAGGCGCGCG	29
98		B	GGTAGAAAC CATAAA	ACAA CAGGCGCGGG CAGGCGCG	
99	ORF 06	A	AGACCGCAG TATAAA	CGGG GCCTCGGGCG CGCGCTATCA	29
100		B	ATACACGTGG TATAAA	CAGA GG.CCGGAGC GCGCGGACCA	
101	tRNA-tyr	A	CGCATAGTTA TTAAAA	ACTA GATGTCGGAT CACGAGTCGT	29
102		B	CGCATAGTTA TTAAAA	ACTA GATGTCGGGG CACCGTCGT	
103	TBP	A	CCGGGCCCCG GTTAAA	ATAG CG.CACGGGC GATGCTGAC	30
104		B	CCGGGCCCCG GTTAAA	ATAG AGTGCGGGCG GCACCGGAT	
105	TIM	A	GGTCCGATAG AATAAA	TACG CGCAGGGGGC CCGGTGCGCG	36
106		B	GGTCCGATAG AATAAA	TACG CGC.GGGGCC GCGGTGC...	
107	Hypoth 01	A	ATTTCACATA CATAAA	TGCC TAGTTACGCA GAAATAGCAA	45
108		B	ACTTCACATA CATAAA	TGCC TAGCTACGCA GAAATATCAA	
109	ORF 01	A	ACGGCAGGCT ATTATT	ACCT TGCCTTGGCT TGT //...G	52
110		B	ACGGCAGGCT ATTATT	ACCT TGCCTTGT. TACA //...G	
111	Methylase	A	CTACAACGAT TTAAAG	TGGG CGCCGGGCGCA GCGC //...G	104
112		B	CTACAACGAT TTAAAG	ACGG CGCGGGTGCC GCGC //...T	
113	16S RNA	A	TGGCGGATGG TTTATA	TGCC CATGGACGGG CCGATCCGAT	220
114		B	CGCGCGATGG TTTATA	TGCC CATGGACAAG GCGATCCGAT	
Archaeal promoter consensus			TTTAAA		

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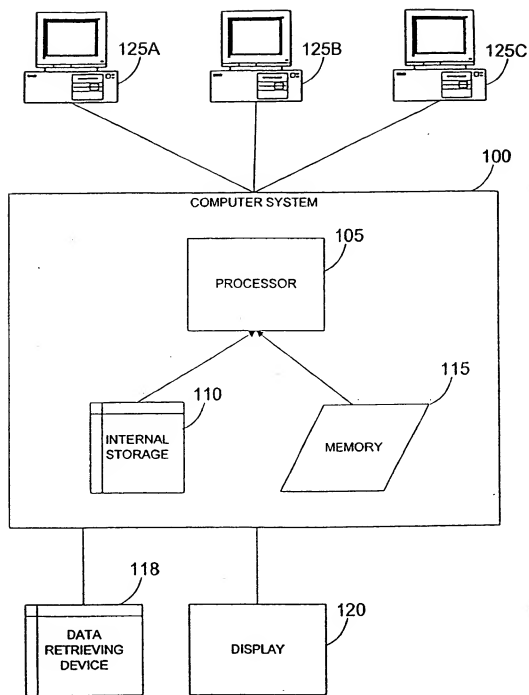


FIGURE 3

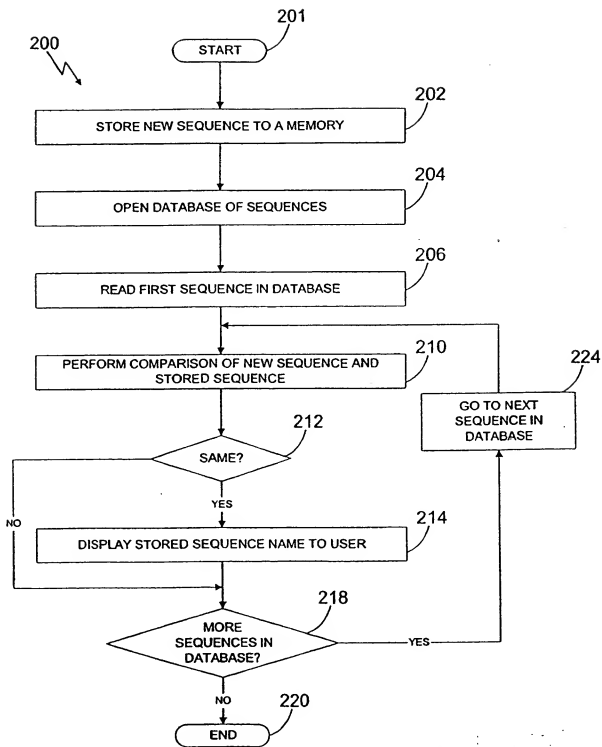


FIGURE 4

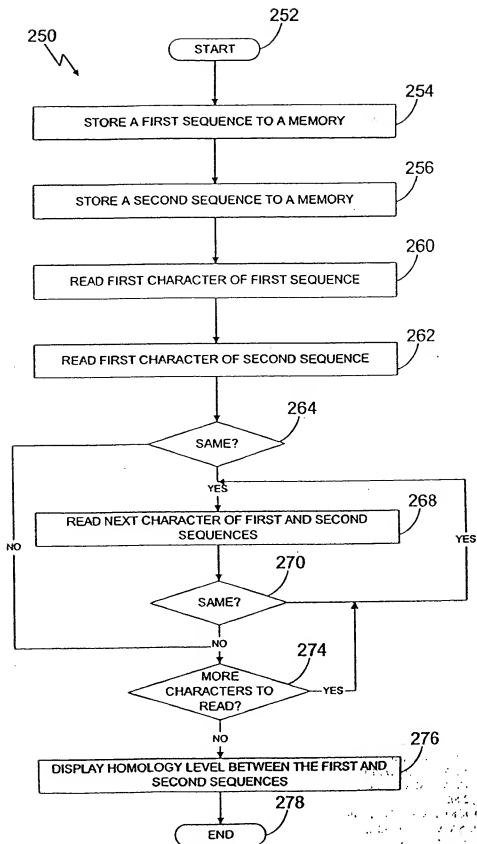


FIGURE 5

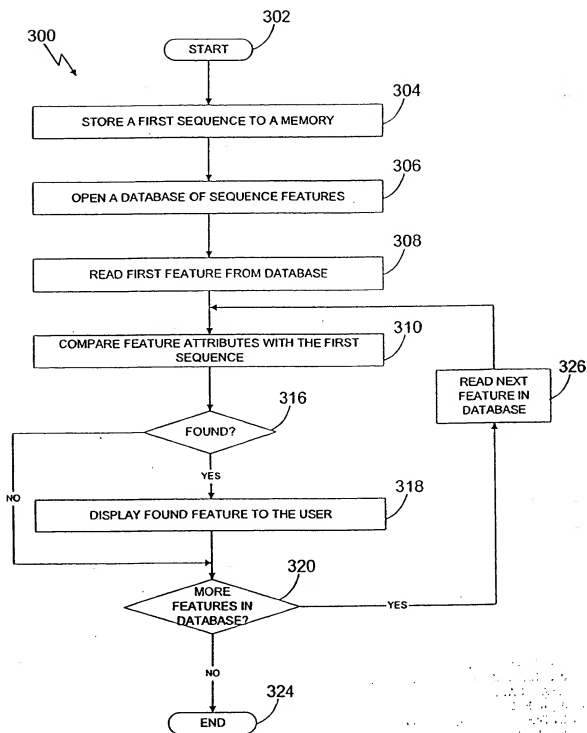


FIGURE 6